```
  *            6:30am [redacted]:00pm Monday through Friday [redacted]      *
  *            7:30am [redacted]:00pm Saturday, Sunday, Holida[redacted]    *
  *                                                                         *
  *      APS is unavailable Thanksgiving Day, Christmas Day,                *
  *      and New Year's Day.                                                *
  *                                                                         *
  * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999

  * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
  *               W E L C O M E   T O   T H E                               *
  *         U. S.   P A T E N T   T E X T   F I L E                         *
  * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

=> s (364/478.13-478.15)/cclst

L1          129 (364/478.13-478.15)/CCLST  (3 TERMS)
                (364/478.13+NEXT2/CCLST)

=> s l1 and address

         137198 ADDRESS
L2           64 L1 AND ADDRESS

=> s l1 and (mail?(p)address(p)correct?)

          16132 MAIL?
         137198 ADDRESS
         387717 CORRECT?
            245 MAIL?(P)ADDRESS(P)CORRECT?
L3           13 L1 AND (MAIL?(P)ADDRESS(P)CORRECT?)

=> s l1 and (mail?(p)address(p)correcting or correction or corrected)

          16132 MAIL?
         137198 ADDRESS
          60341 CORRECTING
             13 MAIL?(P)ADDRESS(P)CORRECTING
         110092 CORRECTION
          92563 CORRECTED
L4           36 L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CORRE
CTE
                D)

=> s l1 and (mail?(p)address(p)correcting(p)correction(p)corrected)

          16132 MAIL?
         137198 ADDRESS
          60341 CORRECTING
         110092 CORRECTION
          92563 CORRECTED
              0 MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORRECTED
L5            0 L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORRECT
ED)

=> d hist


     (FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999)
L1          129 S (364/478.13-478.15)/CCLST
L2           64 S L1 AND ADDRESS
L3           13 S L1 AND (MAIL?(P)ADDRESS(P)CORRECT?)
L4           36 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CO
RRE
L5            0 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORR
```

ECT

=> s l1 and (mail?(p)address)(p)(correcting(p)correction(p)corrected)

```
         16132 MAIL?
        137198 ADDRESS
         60341 CORRECTING
        110092 CORRECTION
         92563 CORRECTED
             0 (MAIL?(P)ADDRESS)(P)(CORRECTING(P)CORRECTION(P)CORRECTED)
L6           0 L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING(P)CORRECTION(P)CORRE
CTE
               D)
```

=> s l1 and (mail?(p)address)(p)(correcting or correction or corrected)

```
         16132 MAIL?
        137198 ADDRESS
         60341 CORRECTING
        110092 CORRECTION
         92563 CORRECTED
            66 (MAIL?(P)ADDRESS)(P)(CORRECTING OR CORRECTION OR CORRECTED)
L7           7 L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING OR CORRECTION OR COR
REC
               TED)
```

=> d cit, hit 1-7

1. 5,703,783, Dec. 30, 1997, Apparatus for intercepting and forwarding incorrectly addressed postal mail; Ronald L. Allen, et al., 364/478.01; 209/584; **364/478.14** [IMAGE AVAILABLE]

US PAT NO: 5,703,783 [IMAGE AVAILABLE] L7: 1 of 7
US-CL-CURRENT: 364/478.01; 209/584; **364/478.14**

SUMMARY:

BSUM(4)

According to current United States Postal Service (USPS) procedures, the local post office (destination delivery unit) is responsible for identifying those **mailpieces** that are incorrectly addressed and require forwarding. The **mail** carrier typically recognizes the **address** on the **mailpiece** as no longer valid (incorrect) during the "casing" operation at the post office or during an attempted delivery of the **mailpiece** to the designated destination **address**. Most often the identification of incorrectly addressed **mailpieces** will only occur if the addressee completes and submits a Change of **Address** Order Form that requests **mailpiece** forwarding. A **mailpiece** identified as in need of forwarding is manually segregated by the carrier from correctly addressed **mailpieces** and removed from the **mail** stream to a USPS Computerized Forwarding System (CFS) for **address correction**.

SUMMARY:

BSUM(7)

The current **mail** forwarding system makes inefficient use of limited USPS resources by unnecessarily transporting incorrectly addressed **mailpieces** to the local post office for the incorrect **address** before identification, **address correction** and forwarding occur. Accordingly, there is a need for an apparatus that will identify incorrectly addressed **mailpieces** prior to the time they are delivered

to reprint the control documents. It is a still further advantage of the subject invention that the limited amount of information which need be printed on the control document as an identification code allows the identification code to be used in the form of an error **correcting** code; greatly reducing the probability of an error in **mail** preparation.

=>

=>

=> d hist

```
     (FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999)
L1           129 S (364/478.13-478.15)/CCLST
L2            64 S L1 AND ADDRESS
L3            13 S L1 AND (MAIL?(P)ADDRESS(P)CORRECT?)
L4            36 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CO
RRE
L5             0 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORR
ECT
L6             0 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING(P)CORRECTION(P)CO
RRE
L7             7 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING OR CORRECTION OR
COR
```

=> s l7 and pay?

```
         55462 PAY?
L8           2 L7 AND PAY?
```

=> d 1-2

1. 5,612,889, Mar. 18, 1997, Mail processing system with unique mailpiece authorization assigned in advance of mailpieces entering carrier service mail processing stream; Leon A. Pintsov, et al., **364/478.14**, 478.03, **478.15** [IMAGE AVAILABLE]

2. 4,800,505, Jan. 24, 1989, Mail preparation system; Barry H. Axelrod, et al., 364/478.09; 209/3.3, 584; 235/375; 270/1.02, 58.06; 364/478.11, **478.15**; 705/404, 406, 407 [IMAGE AVAILABLE]

=> d hit 1-2

US PAT NO: 5,612,889 [IMAGE AVAILABLE] L8: 1 of 2
US-CL-CURRENT: **364/478.14**, 478.03, **478.15**

ABSTRACT:
A **mailing** list is created including destination addresses for **mailpieces** to be submitted to a carrier service for delivery. A unique **mailpiece** identifier associated with **mailpieces** on the **mailing** list is generated by the carrier or other trusted third party. The unique **mailpiece** identifier is printed on the **mailpiece** with which it is associated. The **mailpieces** with the printed unique identifier are submitted to the carrier service. The carrier service obtains the printed unique identifier from the **mailpiece**. The obtained unique identifier from each said **mailpiece** is utilized to verify that data associated with the **mailpiece** has been processed by the carrier or trusted third party. When the unique number has been obtained from the **mailpieces**, the carrier service, if desired, may note this fact in the carrier records to prevent reuse of the unique identifier. The carrier service as part of

subject invention that [redacted]e limited amount of informati[redacted]hich need be printed on the contro[redacted]cument as an identification co[redacted] allows the identification code to be used in the form of an error **correcting** code; greatly reducing the probability of an error in **mail** preparation.

```
=> d hist


     (FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999)
L1           129 S (364/478.13-478.15)/CCLST
L2            64 S L1 AND ADDRESS
L3            13 S L1 AND (MAIL?(P)ADDRESS(P)CORRECT?)
L4            36 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CO
RRE
L5             0 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORR
ECT
L6             0 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING(P)CORRECTION(P)CO
RRE
L7             7 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING OR CORRECTION OR
COR
L8             2 S L7 AND PAY?

=> s merging or updating or correcting

         16724 MERGING
         27909 UPDATING
         60341 CORRECTING
L9       99882 MERGING OR UPDATING OR CORRECTING

=> s l9 and code?

        177765 CODE?
L10      30690 L9 AND CODE?

=> s l9 and zip(w)code

          3060 ZIP
        136939 CODE
          1239 ZIP(W)CODE
L11        392 L9 AND ZIP(W)CODE

=> s l11 and computer

        227380 COMPUTER
L12        358 L11 AND COMPUTER

=> s l12 and database

         17514 DATABASE
L13        229 L12 AND DATABASE

=> s l13 and process?


<------User Break------>
u
SEARCH ENDED BY USER

=>

=> s l13 and (processing or processed or processor)

        501169 PROCESSING
        279398 PROCESSED
```

```
        124548 PROCESS
L14        226 L13 AND ROCESSING OR PROCESSED OR PROC OR)

=> d hist


     (FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999)
L1          129 S (364/478.13-478.15)/CCLST
L2           64 S L1 AND ADDRESS
L3           13 S L1 AND (MAIL?(P)ADDRESS(P)CORRECT?)
L4           36 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CO
RRE
L5            0 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORR
ECT
L6            0 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING(P)CORRECTION(P)CO
RRE
L7            7 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING OR CORRECTION OR
COR
L8            2 S L7 AND PAY?
L9        99882 S MERGING OR UPDATING OR CORRECTING
L10       30690 S L9 AND CODE?
L11         392 S L9 AND ZIP(W)CODE
L12         358 S L11 AND COMPUTER
L13         229 S L12 AND DATABASE
L14         226 S L13 AND (PROCESSING OR PROCESSED OR PROCESSOR)

=> s l14 and (payment or electronic(w)payment)

         21895 PAYMENT
        280996 ELECTRONIC
         21895 PAYMENT
           141 ELECTRONIC(W)PAYMENT
L15         74 L14 AND (PAYMENT OR ELECTRONIC(W)PAYMENT)

=> d 1-74


1.  5,884,284, Mar. 16, 1999, Telecommunication user account management
system and method; J. Michael Peters, et al., 705/30; 348/1, 3, 6, 7;
705/34, 400 [IMAGE AVAILABLE]

2.  5,873,094, Feb. 16, 1999, Method and apparatus for automated
conformance and enforcement of behavior in application processing
systems; Kirit K. Talatik, 707/104; 706/45 [IMAGE AVAILABLE]

3.  5,872,588, Feb. 16, 1999, Method and apparatus for monitoring
audio-visual materials presented to a subscriber; Caglan M. Aras, et al.,
348/1, 10; 455/2, 6.2 [IMAGE AVAILABLE]

4.  5,870,721, Feb. 9, 1999, System and method for real time loan
approval; Jeffrey A. Norris, 705/38, 35, 39, 42, 43 [IMAGE AVAILABLE]

5.  5,852,809, Dec. 22, 1998, System and method for routing data and
communications; William D. Abel, et al., 705/26; 235/375; 705/7, 8, 14
[IMAGE AVAILABLE]

6.  5,835,896, Nov. 10, 1998, Method and system for processing and
transmitting electronic auction information; Alan S. Fisher, et al.,
705/37, 27 [IMAGE AVAILABLE]

7.  5,835,604, Nov. 10, 1998, Method of mapping destination addresses for
use in calculating digital tokens; David K. Lee, 380/51, 23, 25, 46, 49,
55 [IMAGE AVAILABLE]

8.  5,835,376, Nov. 10, 1998, Fully automated vehicle dispatching,
```

selectively accessing financial records related to investments; David Campbell, 705/36 [IMAGE AVAILABLE]

26. 5,732,216, Mar. 24, 1998, Audio message exchange system; James Logan, et al., 395/200.33; 348/7, 13 [IMAGE AVAILABLE]

27. 5,729,461, Mar. 17, 1998, Postage metering system including means for controlling the resolution of printing a portion of a postage indicia; Thomas A. D'Andrea, et al., 705/408; 101/71; 345/435; 705/410 [IMAGE AVAILABLE]

28. 5,724,575, Mar. 3, 1998, Method and system for object-based relational distributed databases; Michael K. Hoover, et al., 707/10, 103; 709/205, 217 [IMAGE AVAILABLE]

29. 5,721,827, Feb. 24, 1998, System for electrically distributing personalized information; James Logan, et al., 395/200.47; 348/13 [IMAGE AVAILABLE]

30. 5,717,597, Feb. 10, 1998, System and method for printing personalized postage indicia on greeting cards; Salim G. Kara, 705/408; 364/479.01, 479.02, 479.03, 479.05; 705/410 [IMAGE AVAILABLE]

31. 5,717,595, Feb. 10, 1998, Integrated automated vehicle analysis; John K. Cherrington, et al., 705/400; 73/117.2, 117.3, 121; 345/329; 364/400; 701/29; 702/157, 170; 705/1, 16, 24, 29 [IMAGE AVAILABLE]

32. 5,703,795, Dec. 30, 1997, Apparatus and methods for accessing information relating to radio and television programs; Roy J. Mankovitz, 345/327; 348/473; 705/10 [IMAGE AVAILABLE]

33. 5,696,906, Dec. 9, 1997, Telecommunicaion user account management system and method; J. Michael Peters, et al., 705/34 [IMAGE AVAILABLE]
<------User Break------>
u
=> d hist

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     (FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999)
L1           129 S (364/478.13-478.15)/CCLST
L2            64 S L1 AND ADDRESS
L3            13 S L1 AND (MAIL?(P)ADDRESS(P)CORRECT?)
L4            36 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CO
RRE
L5             0 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORR
ECT
L6             0 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING(P)CORRECTION(P)CO
RRE
L7             7 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING OR CORRECTION OR
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L8             2 S L7 AND PAY?
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L10        30690 S L9 AND CODE?
L11          392 S L9 AND ZIP(W)CODE
L12          358 S L11 AND COMPUTER
L13          229 S L12 AND DATABASE
L14          226 S L13 AND (PROCESSING OR PROCESSED OR PROCESSOR)
L15           74 S L14 AND (PAYMENT OR ELECTRONIC(W)PAYMENT)

=> s l15 and (account(w)number)

         152863 ACCOUNT
        1247362 NUMBER
           2477 ACCOUNT(W)NUMBER
L16          26 L15 AND (ACCOUNT(W)NUMBER)
```

```
          particular [redacted]disperse based upon. . . st[redacted]d
          through unt[redacted] said VALUE is met or
          exceeded.
83-88     Coupons are dispersed either with ON-
          LINE processor spooling selected
          Coupons to a point-of-sale coupon
          printer or via Direct Mail.

SYSTEM LIMITS EXCEEDED - DISPLAY ENDED

=> d hist

     (FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999)
L1          129 S (364/478.13-478.15)/CCLST
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L4           36 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CO
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L5            0 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORR
ECT
L6            0 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING(P)CORRECTION(P)CO
RRE
L7            7 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING OR CORRECTION OR
COR
L8            2 S L7 AND PAY?
L9        99882 S MERGING OR UPDATING OR CORRECTING
L10       30690 S L9 AND CODE?
L11         392 S L9 AND ZIP(W)CODE
L12         358 S L11 AND COMPUTER
L13         229 S L12 AND DATABASE
L14         226 S L13 AND (PROCESSING OR PROCESSED OR PROCESSOR)
L15          74 S L14 AND (PAYMENT OR ELECTRONIC(W)PAYMENT)
L16          26 S L15 AND (ACCOUNT(W)NUMBER)

=> s l16 and address

       137198 ADDRESS
L17         25 L16 AND ADDRESS

=>
Connection closed by remote host
```